

APOLLO

EX Still

EXTRACTION & DISTILLATION SYSTEM



THIS IS THE WAY

ApolloXstill is made up of four primary components that elegantly link together to form a remarkably efficient, fully-automated, closed-loop extraction system. Our new disruptive design and technology has allowed for significant improvement from every logical standpoint; size, speed efficiency, safety, product quality, flexibility and cost (both CAPEX and OPEX).



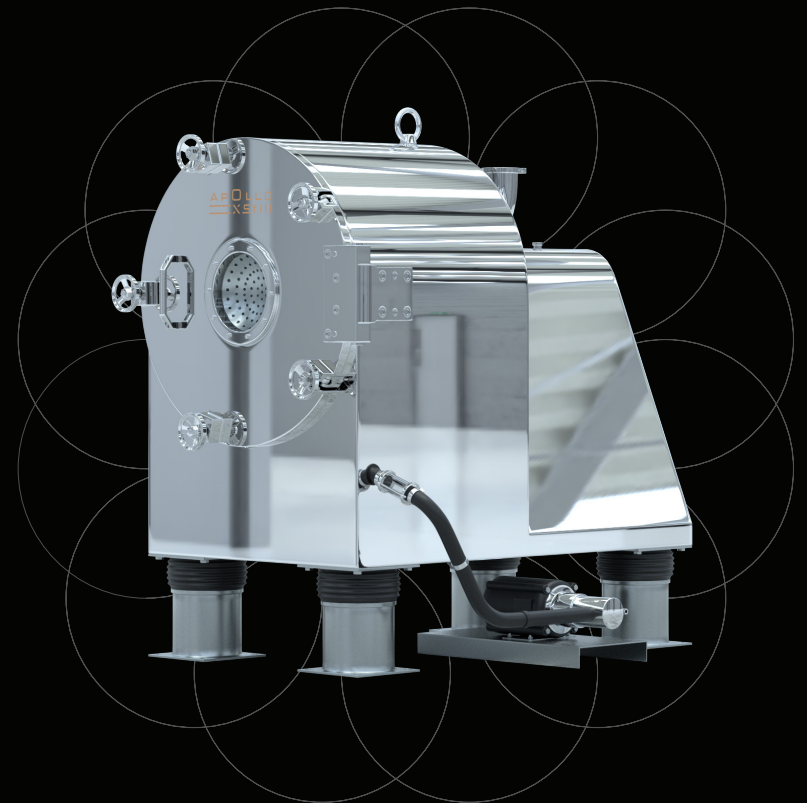


PLUTO

CRYOGENICS

Uniquely designed cryogenic chiller that harnesses the power of liquid nitrogen to instantly chill ethanol down to as low as -80°C inline the ApolloXstill system.

- Huge cooling power for true on-demand ethanol chilling.
- On-demand chilling significantly reduces the amount of on-hand ethanol needed. *Very important considering the F1 occupancy regulation of 120 gal. max.
- Much less expensive than an equivalent mechanical chiller.
- Set any desired ethanol temperature down to as low as -80°C .



SONIC

EXTRACTION

High-capacity ethanol washing & drying extraction centrifuge system designed for high-throughput with optimal efficiency.

- 25-50lb loads; 4 runs/hr; 100-200lbs/hr.
- Unique front-loading design allows for optimal ethanol saturation from the first wash.
- Incredibly heavy duty for true industrial workload. Minimal vibration during operation.
- GN2 vapor inlet pipe for prechilling biomass prior to fill (-90°C).
- Large speed range from 50 to over 2,000 rpm for gentle washing and thorough drying.



SPUTNIK

FILTRATION

Uniquely designed closed-loop industrial filter vessel. Connects inline between SONIC and ROCKET to remove any residual particulates, fats/lipids, and other undesirable components.

- Has two hinged openings with pneumatic springs for easy filter replacement and cleaning.
- Ability to top with cake or slurry media for color, odor, and/or pesticide remediation.

Note: with the AXS process, most of the undesirables will not be extracted in the first place so this filter is there to catch particulates and anything else that may have passed through.



ROCKET

SOLVENT RECOVERY

High-throughput (200+ LPH) fully automatic ethanol evaporation and recovery system designed specifically for the cannabis/hemp industry.

- Vacuum rated (~50 torr). Allows for cold distillation to preserve acidic cannabinoid form and full terpene profile if desired.
- The unique design of the evaporation chamber optimizes heat transfer, prevents sticking, and is easy to clean (GMP compliant).
- Continuous flow system with optional recirculation mode for up to 100% dryness.
- The jacketed 250L ethanol collection tank doubles as a chilled storage tank to complete the ApolloXstill closed-loop design.



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